Scheduling and Movement (SM) Segment
Addendum to
Global Command and Control System (GCCS)
Version 2.2
HP Segment Implementation Procedures

List of Effective Pages

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Chapter 1 Introduction

These implementation procedures provide instructions for installing the Scheduling and Movement (SM) Segment available for the Global Command and Control System (GCCS) version 2.2 for the Hewlett Packard (HP) series workstations. **This document is an addendum to the *Global Command and Control System (GCCS) Version 2.2 HP Segment Implementation Procedures*, dated 22 January 1997 and should only be used in accordance with the procedures outlined in that document.**

The GCCS concept is designed to support a wide range of mission applications through a diverse set of application "segments "executed under a Common Operating Environment (COE). All segments that pass Defense Information Systems Agency (DISA) integration testing become part of the GCCS baseline. Testing of the segments and validation of the functionality are the responsibility of the Government executive agent that provides the segment. The scope of GCCS version 2.2 is to implement the functionality required for the shutdown of the current Honeywell-based Worldwide Military Command and Control System (WWMCCS). GCCS version 2.1 contains the GCCS core functionality required for the shutdown of WWMCCS, as well as other critical legacy applications from earlier versions of GCCS. The emphasis of the GCCS version 2.1 installation is the implementation of this core functionality.

While the HP GCCS can be installed independently from the Solaris GCCS, dependencies can be established between the HP and Solaris. Current Solaris installations establish an Executive Manager server (EMSERVER) workstation. Facilities are provided on the HP and Solaris software that will allow a single Solaris EMSERVER to act as the entry point for building and configuring user accounts. If the site has established an EMSERVER, the HP installation should be configured to use that server. If the site has only HP workstations, a single HP can be established as the EMSERVER. These implementation procedures assume that each site will establish a Solaris EMSERVER.

Many of the GCCS applications require access to a Database Server (DBSERVER). If a DBSERVER is not available to the site, many of these applications will not run.

The complete set of software currently available for the Solaris version of GCCS is not available under the HP Operating System. The software segments shown in the Checklist at the end of this document are available for HP installation.

Several configuration items need to be made known before the start of the installation process. If this site will have a Solaris machine as the EMSERVER, the configuration of the HP workstations will depend on this workstation. The current assumption is that each site will have at least one Sparc 20 that will act as the EMSERVER. If that is not the case, instructions for implementing GCCS on a single HP workstation will be provided in an appendix. The worksheets that were completed for the Solaris installation should be available for reference throughout the installation process.

Chapter 2 Installation Preparation

2.1 Before Installing Application Segments

It is important that the following suite of software segments be loaded on an HP workstation *before* any application segments are installed:

- ◆ GCCS HP-UX Upgrade OS 2.3.0.3
- ◆ GCCS HP OS Patch 1 1.0
- ◆ GCCS COE 3.0.1.6.01G
- ◆ EM 2.1.5.02
- ◆ UB Patch P2 3.0.1.6.01GP2
- ◆ EM Printer 2.1.6
- ◆ EM APPLIX Launch Patch 1.0.0.2
- ◆ EM Printer Patch 1.0
- ◆ EM Process Patch 1.0
- ◆ Printer 3.0.1.6.02G
- ◆ JMTK 3.0.1.6.01G
- ◆ UBApps 3.0.1.6.01G
- ◆ UB Patch P2 3.0.1.6.01GP2
- ◆ JMCISApps 3.0.1.6.01G

Installation of the above segments provides the proper version of GCCS for the installation of the SM segment.

For instructions on loading the above software segments **on a new HP workstation**, refer to the following:

- ◆ *Global Command and Control System (GCCS) HP Operating System and Unified Build 3.0.1.6G Application Installation Guide*, dated 22 January 1997

For instructions on **upgrading an existing HP workstation** to the appropriate software versions, refer to the following:

- ◆ *Global Command and Control System (GCCS), Version 2.2 HP Operating System Upgrade Installation Instructions*, dated 22 January 1997

WARNING:
Do not attempt to load the SM segment without ensuring that your system has been previously loaded with the appropriate versions of the above named segments.

Once you have ensured that your system is at the appropriate "base" level, proceed with the SM segment load as outlined in Chapter 3.

2.2 Using the Segment Installer

The instructions contained in this section are intended for general, quick reference use only. For more information regarding segment installation and the SEGMENT INSTALLER window, refer to the *Unified Build System Administrator's Guide*.

1. Login as **sysadmin** and select Segment Installer from the SOFTWARE menu.
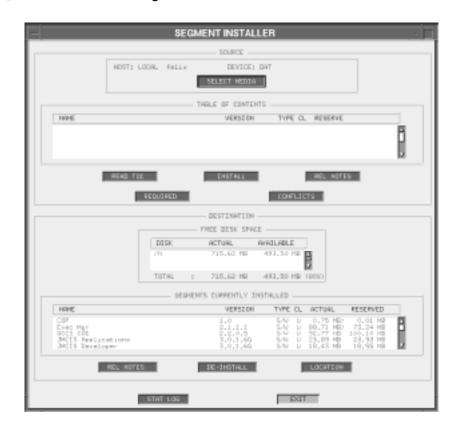

Figure 1. SEGMENT INSTALLER Window

2. In the SEGMENT INSTALLER window, click SELECT MEDIA in the SOURCE box. The SELECT MEDIA window appears.

Figure 2. SELECT MEDIA Window

3. If loading from tape, complete the following steps. If loading from the Installation Server, proceed to Step 4.

   a. In the SELECT MEDIA window, click the diamond knob next to the LOCAL field (if the tape is in a drive which is attached to the machine you are upgrading) or the diamond knob next to the REMOTE field (if the tape is in a drive which is attached to another machine).

   b. If you select REMOTE, a NAME field appears just below the REMOTE field. Click the button next to the NAME field to display a list of hosts available on the local network, and select the hostname of the machine where the tape drive is located.

   c. In the DEVICE box, select the media type (e.g., DAT or OTHER) for the tape. If you select OTHER, you must enter the device name of the tape medium you are using (e.g., / dev/rmt/0mn).

   > Note: It is highly recommended that you use a no-rewind tape device when specifying the device name in the OTHER field.

   Proceed to Step 5.

4. If loading from the Installation Server, in the SELECT MEDIA window, click NETWORK in the DEVICE box.

5. Click OK to return to the SEGMENT INSTALLER window.

6. Click Read TOC. The items that appear in the TABLE OF CONTENTS portion of the SEGMENT INSTALLER window are the names of software segments contained on the tape or Installation Server.

7. From the TABLE OF CONTENTS list, select the segment you wish to load.

8. Click INSTALL. A window appears, displaying an hourglass, indicating that the system is installing the selected segment. The segment requires a few minutes to load and execute.

9. When the segment installation is complete, a warning window appears, stating Selected Segment(s) Installed Successfully. If post install information is required or other special actions need to be taken, a warning window or the specific segment install procedures inform you.

10. Once you have finished a segment install, in the SEGMENT INSTALLER window, click EXIT.

Chapter 3 Scheduling and Movement Segment Installation

This chapter covers the installation process for the SM segment only. All other segments listed may be installed in accordance with the *Global Command and Control System (GCCS) Version 2.2 HP Segment Implementation Procedures*, dated 22 January 1997. Segments should be loaded in the specific order presented to avoid dependency errors.

The GCCS concept is designed to support a wide range of mission applications through a diverse set of application "segments "executed under a Common Operating Environment (COE). All segments that pass Defense Information Systems Agency (DISA) integration testing become part of the GCCS baseline. The following segments are currently approved parts of the GCCS baseline:

- ◆ GCCS Upgrade HP-OS 2.3.0.3 (OSUPGR)
- ◆ GCCS HP-OS Patch 1 1.0 (HPOSPTC)
- ◆ GCCS COE 3.0.1.6.01G
- ◆ Exec Mgr 2.1.5.02 (EM)
- ◆ EM Printer 2.1.6 (EM_PRINTER)
- ◆ EM APPLIX Launch Patch 1.0.0.2 (EM_APPLIX_LAUNCH)
- ◆ EM Print Patch 1.0 (EM_PRINT_PATCH)
- ◆ EM Process Patch 1.0 (EM_PROC_PATCH)
- ◆ Printer 3.0.1.6.02G (PRINTER)
- ◆ Joint Mapping Tool Kit 3.0.1.6.01G (JMTK)
- ◆ UB Apps 3.0.1.6.01G (UBApps)
- ◆ UB Patch P2 3.0.1.6.01GP2 (UBPATCH)
- ◆ JMCIS Apps 3.0.1.6.01G (JMCISApps)
- ◆ External Transaction Processor 5.6.0.3 (XTP)
- ◆ ORACLE Apps Server Tools 7.1.4.02 (ORACLE)
- ◆ ORACLE Apps Server Tools P1 1.0.0 (ORAP1)
- ◆ Netscape Web Browser 3.0 (WEBBr)
- ◆ JOPES Navigation 2.7.0 (JNAV)
- ◆ LOGSAFE Client 2.8.0.03 (LSAFE)
- ◆ RDA 1.8.1 (RDA)
- ◆ Pre-defined Reports 1.6.2 (PDR)
- ◆ Ad-Hoc Query 5.6.0.5.01(AHQ)
- ◆ PERL 6.0 (PERL)
- ◆ Internet Relay Chat Client 1.1.01 (IRCC)
- ◆ Internet Relay Chat Client P1 1.0 (IRCCP1)
- ◆ Tool Command Language 7.5/1.0.0 (TCL)
- ◆ COTS Topic 3.1.5.c (TOPIC)
- ◆ AMHS Client 3.1.2 (AMHS_Client)
- ◆ Command Center Apps 3.1.2 (CCAPPS)
- ◆ Applix 3.2 (APPLIX)
- ◆ Run Remote 1.3.03 (RREM)
- ◆ Scheduling and Movement 5.6.0.6.01 (SM)

3.1 Installing the Scheduling and Movement Segment

Install the Scheduling and Movement (SM) segment as follows:

1. Login as **sysadmin** (see page 4 for default password).

2. Insert the tape containing the S&M Graphic segment into the DAT drive and wait until the control panel LEDs stop blinking.

3. Select Segment Installer from the Software pull-down menu. The SEGMENT INSTALLER window appears.

4. In the SEGMENT INSTALLER window, click READ TOC. The items that appear in the TABLE OF CONTENTS portion of the SEGMENT INSTALLER window are the names of software segments contained on the tape.

5. Highlight the S&M Graphic segment from the TABLE OF CONTENTS list and click INSTALL.

    A window appears with an hourglass indicating that the system is busy installing the selected segment(s).

6. During the S&M Graphic segment installation, a SM Segment Installation Status PostInstall window appears, providing you with install information and prompting you for site-specific information. You may interpret/respond to the prompts as follows:

```
Started log in /h/SM/install/sm_install.log on <date>...:
```

a. The `<date>` in the above entry is the system time and date (example: `Tue Feb 4 21:28:08 UTC 1997`).

```
Adding the SM administration account...
```

b. The system adds the SM Administration account. If the SM Administration account already exists (i.e., SM has been previously installed), the system recognize this and will return a prompt which says `The SM administration account already exists. Continuing...`

   At this point, if the SM segment has not been previously installed, the system launches a UNIX Login Password PostInstall window and prompts you for an SM Administrator's password as follows:

Note: When entering the SM Administrator's password, is it important to use your local system administrator's recommendation. *Do not* enter the password without consulting your local system administrator.

```
You will now be asked for the SM UNIX password
Save this password in a secure area
New password:
```

c. Enter a new password for the SM Administrator and press [Return].

```
Re-enter new password:
```

d. Enter the new password again and press [Return].

7. The UNIX Login Password PostInstall window closes, the segment installation continues in the SM Segment Installation Status PostInstall window, and the following text appears:

```
Setting ownership and permissions for files...
Saving old copy of ScreenMachine and adding new one...
```

When the segment has completed installation, the Selected segment(s) installed successfully warning appears.

8. Click OK to acknowledge the warning and dismiss the window.

9. Exit the SEGMENT INSTALLER by clicking EXIT. Remove the tape containing the S&M Graphic segment from the DAT drive and store it in a safe place.

Notes

Appendix GCCS HP Software Installation Checklist

	Segment Name	Version Number	Segment Abbreviation	Checklist
1	GCCS Upgrade HP-OS	2.3.0.3	OSUPGR	____
2	GCCS HP-OS Patch 1	1.0	HPOSPTC	____
3	GCCS COE	3.0.1.6.01G		____
4	Exec Mgr	2.1.5.02	EM	____
5	EM Printer	2.1.6	EM_PRINTER	____
6	EM APPLIX Launch Patch	1.0.0.2	EM_APPLIX_LAUNCH	____
7	EM Print Patch	1.0	EM_PRINT_PATCH	____
8	EM Process Patch	1.0	EM_PROC_PATCH	____
9	Printer	3.0.1.6.02G	PRINTER	____
10	Joint Mapping Tool Kit	3.0.1.6.01G	JMTK	____
11	UB Apps	3.0.1.6.01G	UBApps	____
12	UB Patch P2	3.0.1.6.01GP2	UBPATCH	____
13	JMCIS Apps	3.0.1.6.01G	JMCISApps	____
14	External Transaction Processor	5.6.0.3	XTP	____
15	ORACLE Apps Server Tools	7.1.4.02	ORACLE	____
16	ORACLE Apps Server Tools P1	1.0.0	ORAP1	____
17	Netscape Web Browser	3.0	WEBBr	____
18	JOPES Navigation	2.7.0	JNAV	____
19	LOGSAFE Client	2.8.0.03	LSAFE	____
20	RDA	1.8.1	RDA	____
21	Pre-defined Reports	1.6.2	PDR	____
22	Ad-Hoc Query	5.6.0.5.01	AHQ	____
24	PERL	6.0	PERL	____
25	Internet Relay Chat Client	1.1.01	IRCC	____
26	Internet Relay Chat Client P1	1.0	IRCCP1	____
27	Tool Command Language	7.5/1.0.0	TCL	____
28	COTS Topic	3.1.5.c	TOPIC	____
29	AMHS Client	3.1.2	AMHS_Client	____
30	Command Center Apps	3.1.2	CCAPPS	____

	Segment Name	Version Number	Segment Abbreviation	Checklist
31	Applix	3.2	APPLIX	____
32	Run Remote	1.3.03	RREM	____
33	Scheduling and Movement	5.6.0.6.01	SM	____